

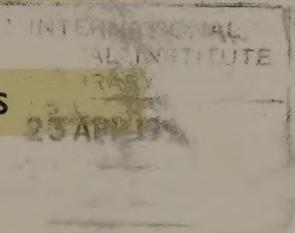
Biocontrol News and Information

1990 Annual Indexes

Volume 11



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LANGUAGE ABBREVIATIONS

An initial capital denotes the language of the paper; an initial small letter, the language of
the summary.

Af	Afrikaans	Fi	Finnish	Nl	Dutch
Al	Albanian	Fr	French	No	Norwegian
Ar	Arabic	Gr	Greek	Pe	Persian
Az	Azerbaijani	He	Hebrew	Pl	Polish
Be	Byelorussian (White Russian)	Hu	Hungarian	Pt	Portuguese
Bg	Bulgarian	Ia	Interlingua	Ro	Romanian
Ch	Chinese	In	Indonesian	Ru	Russian
Cs	Czech	Is	Icelandic	Sh	Serbo-Croat (either Latin or Cyrillic script)
Da	Danish	Ja	Japanese	Sk	Slovak
De	German	Ko	Korean	Sn	Slovene
Ee	Estonian	La	Latin	Sv	Swedish
En	English	Li	Lithuanian	Ta	Tajik
Eo	Esperanto	Lv	Latvian	Tr	Turkish
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Many other serials were scanned during 1990 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSNs and publishers' addresses.

Abhandlungen und Berichte des Naturkundemuseums Görlitz
 Acarologia
 ACIAR Technical Reports Series
 Acta Agriculturae Universitatis Jilinensis
 Acta Arachnologica
 Acta Biologica Hungarica
 Acta Botanica Hungarica
 Acta Ecologica Sinica
 Acta Entomologica Bohemoslovaca
 Acta Entomologica Chilena
 Acta Entomologica Fennica
 Acta Entomologica Jugoslavica
 Acta Entomologica Sinica
 Acta Horticulturae
 Acta Hydrochimica et Hydrobiologica
 Acta Mycologica
 Acta Oecologica, Oecologia Applicata
 Acta Oecologica, Oecologia Generalis
 Acta Phytopathologica et Entomologica Hungarica
 Acta Phytophylactica Sinica
 Acta Protozoologica
 Acta Scientiarum Naturalium Universitatis Sunyatseni
 Acta Universitatis Agriculturae, Facultas Agronomica
 Acta Zoologica Hungarica
 Acta Zootaxonomica Sinica
 Actividades en Turrialba
 Advances in Virus Research
 AFRC News
 Agricultura Mediterranea
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 Agricultural Situation in India
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 Agriculture Handbook, US Department of Agriculture
 Agriculture, Ecosystems & Environment
 Agro Sur
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 AI Applications in Natural Resource Management
 Alon Hanotea
 American Midland Naturalist
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 American Potato Journal
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 Anales de la Sociedad Científica Argentina
 Analiza Ž Sumarstvo
 Animal Behaviour
 Annales Agriculturae Fenniae
 Annales de Gembloux
 Annales de la Société Belge de Médecine Tropicale
 Annales de la Société Entomologique de France
 Annales de Limnologie
 Annales de Parasitologie Humaine et Comparée
 Annales Entomologici Fennici
 Annales Historico-Naturales Musei Nationalis Hungarici
 Annales Zoologici
 Annali dell'Istituto Sperimentale per l'Agrumicoltura
 Annali dell'Istituto Sperimentale per la Patologia Vegetale
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 Annals of Agricultural Science (Cairo)
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 Annals of the Entomological Society of America

Annals of the Phytopathological Society of Japan
 Annals of Tropical Medicine and Parasitology
 Annals of Warsaw Agricultural University SGGW-AR, Horticulture
 Annotationes Zoologicas et Botanicae
 Annual Bulletin of the Society of Parasitology, Guangdong Province
 Annual Report of the Society of Plant Protection of North Japan
 Annual Review of Entomology
 Annual Review of Microbiology
 Annual Review of Phytopathology
 Annuario dell'Istituto e Museo di Zoologia dell'Università di Napoli
 Antonie van Leeuwenhoek
 Anzeiger für Schädlingskunde, Pflanzenschutz, Umweltschutz
 Applied Agricultural Research
 Applied and Environmental Microbiology
 Applied Entomology and Zoology
 Applied Microbiology and Biotechnology
 Aquatic Botany
 Arab and Near East Plant Protection Newsletter
 Arab Journal of Plant Protection
 Archiv für Hydrobiologie
 Archiv für Phytopathologie und Pflanzenschutz
 Archives of Biochemistry and Biophysics
 Archives of Insect Biochemistry and Physiology
 Archives of Microbiology
 Archives of Virology
 Archives Roumaines de Pathologie Expérimentale et de Microbiologie
 Arroz en las Américas
 Articulação Pesquisa-Extensão
 ASM News
 Australasian Plant Pathology
 Australian Entomological Magazine
 Australian Journal of Biotechnology
 Australian Journal of Ecology
 AVRDC Publication, Asian Vegetable Research and Development Center
 Bangladesh Journal of Zoology
 Behavioral Ecology and Sociobiology
 Behaviour
 Beiträge für die Forstwirtschaft
 Beiträge zur Entomologie
 Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
 Biochemical and Biophysical Research Communications
 Biocontrol News and Information
 Biofutur
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 Biological Conservation
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 Biologicheskii Zhurnal Armenii
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 Biotechnology and Bioengineering
 Biotechnology Letters
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 Biotropica
 Boletín de Promecafé
 Boletín de Sanidad Vegetal, Plagas
 Boletín Micológico
 Bollettino del Laboratorio di Entomologia Agraria 'Filippo Silvestri'
 Bollettino dell'Istituto di Entomologia della Università degli Studi di Bologna
 Bollettino della Società Entomologica Italiana
 Bollettino di Zoologia Agraria e di Bachicoltura
 Botanica Helvetica
 Brasil Florestal
 Brenesia
 British Reports, Translations and Theses
 Buletinul de Protecția Plantelor
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 Bulletin de la Société Entomologique de France
 Bulletin de la Société Zoologique de France
 Bulletin OEPP

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 Bulletin of Entomological Research
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 Bulletin of the Entomological Society of Egypt, Economic Series
 Bulletin of the Fukui Agricultural Experiment Station
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 Bulletin of the Society of Vector Ecologists
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 Café, Cacao, Thé
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 Canadian Journal of Botany
 Canadian Journal of Microbiology
 Canadian Journal of Plant Pathology
 Canadian Journal of Zoology
 Canadian Plant Disease Survey
 Centro Agrícola
 CFRU Research Bulletin, College of Forest Resources, University of Maine
 CFRU Research Note - College of Forest Resources, University of Maine
 China Cottons
 Chinese Journal of Biological Control
 Chinese Journal of Entomology
 Chinese Journal of Parasitology & Parasitic Diseases
 Chinese Journal of Virology
 Chinese Medical Journal
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 Ciencia y Técnica en la Agricultura, Cítricos y Otros Frutales
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 Documentos de Ciencia y Técnica, Ciencias Agropecuarias, Instituto Superior de Ciencias Agropecuarias de La Habana
 Doga, Türk Zooloji Dergisi
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 Environmental Entomology
 Environmentalist
 Eos (Madrid)
 Esakia
 Ethiopian Journal of Agricultural Sciences
 European Journal of Biochemistry
 European Journal of Forest Pathology
 European Journal of Protistology
 Evolution
 Experientia
 Experimental & Applied Acarology
 Experimental Mycology
 Experimental Parasitology
 Extension Bulletin - ASPAC Food and Fertilizer Technology Center for the Asian and Pacific Region
 FABIS Newsletter
 Fagopyrum
 FAO Plant Production and Protection Paper
 FAO Plant Protection Bulletin
 Fauna Norvegica, B
 Fauna of New Zealand
 Fauna of Saudi Arabia
 FEMS Microbiology Letters
 Field Studies
 Fitopatología Brasileira
 Florida Entomologist
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 Forest Protection Series, Forestry Commission of New South Wales
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 Forestry Commission Bulletin
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 Gemüse (München)
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 General Technical Report - Pacific Northwest Research Station, USDA Forest Service
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 Gewasbescherming
 Gigiena i Sanitariya
 Giornale Italiano di Entomologia
 Gorskostopanska Nauka
 Grøn Viden, Landbrug
 Great Lakes Entomologist
 Groenten en Fruit
 Gujarat Agricultural University Research Journal
 Handbooks for the Identification of British Insects
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 Highlights of Agricultural Research, Alabama Agricultural Experiment Station
 Hilgardia
 Hindustan Antibiotics Bulletin
 Honeybee Science
 IDESIA
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 Indian Botanical Reporter
 Indian Coconut Journal (Cochin)
 Indian Coffee
 Indian Forester
 Indian Journal of Agricultural Research
 Indian Journal of Agricultural Sciences
 Indian Journal of Ecology
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 Indian Journal of Experimental Biology
 Indian Journal of Forestry
 Indian Journal of Malariaiology
 Indian Journal of Medical Research
 Indian Journal of Nematology
 Indian Journal of Plant Pathology
 Indian Journal of Plant Protection
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 Information Bulletin - Citrus and Subtropical Fruit Research Institute
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 Informe de Investigación, División de Ciencias Agropecuarias y Marítimas, Instituto Tecnológico y de Estudios Superiores de Monterrey, Mexico
 Insect Biochemistry
 Insect Knowledge
 Insect Science and its Application
 Insects Sociaux
 International Arachis Newsletter
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 International Nematology Network Newsletter
 International Pigeonpea Newsletter
 International Rice Research Newsletter
 Invertebrate Taxonomy
 Investigación Agraria, Producción y Protección Vegetales
 Iranian Journal of Public Health
 ISI Atlas of Science, Animal & Plant Sciences
 Israel Journal of Entomology
 Italia Agricola
 Izvestiya Akademii Nauk Kazakhskoi SSR, Biologicheskaya
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 Izvestiya Sibirskego Otdeleniya Akademii Nauk SSSR, Biologicheskikh Nauk
 Japanese Journal of Applied Entomology and Zoology
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 JARQ, Japan Agricultural Research Quarterly
 Jiangsu Journal of Agricultural Sciences
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 Journal of Agriculture of the University of Puerto Rico
 Journal of American Mosquito Control Association
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 Magazine, College of Agriculture, Nagpur
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 Material und Organismen
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 Memoirs of the Queensland Museum
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 Mikrobiologicheskii Zhurnal
 MIRCEN Journal of Applied Microbiology and Biotechnology
 Mitteilungen aus der Biologischen Bundesanstalt für Land- und Forstwirtschaft Berlin-Dahlem
 Mitteilungen der Deutschen Gesellschaft für Allgemeine und Angewandte Entomologie
 Mitteilungen der Forstlichen Versuchs- und Forschungsanstalt Baden-Württemberg
 Mitteilungen der Schweizerischen Entomologischen Gesellschaft
 Mitteilungen des Vereins für Forstliche Standortskunde und Forstplanenzüchtung, German Federal Republic
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 Monatshefte für Veterinärmedizin
 Monograph - British Crop Protection Council
 Monthly Bulletin of the Bermuda Department of Agriculture and Fisheries
 Monthly Bulletin, Department of Agriculture, Fisheries & Parks, Bermuda
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 Multipurpose Tree Species Network Series: Paper - Forestry/Fuelwood Research and Development (F/FRED) Project
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 Mycological Research
 Mycopathologia
 Mycotaxon
 Mysore Journal of Agricultural Sciences
 Nachrichtenblatt des Deutschen Pflanzenschutzdienstes
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 Natural Enemies of Insects
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Helminthological Abstracts; Index Veterinarius; Protozoological Abstracts; Review of Medical & Veterinary Entomology; Review of Medical & Veterinary Mycology; Veterinary Bulletin.

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The Organization

CAB International (CABI) is an international, inter-governmental organization registered with the United Nations. It is owned and administered by its member governments; these currently number 29, but membership is open to all governments who wish to participate. Established in 1928, the organization provides information, scientific, and development services for agriculture and allied disciplines throughout the world.

Information Services

The main task of the Information Services, located at the CAB International Centre (CABIC) at Wallingford, is the creation of a bibliographic database of research on agriculture, forestry and allied disciplines, including social sciences and aspects of human medicine. Abstract journals derived from the database, and online access to it, provide a unique source of information for research scientists, development planners, educators and students. Subsidiary but growing tasks are the publication of primary journals and reference works, and training information professionals in developing countries.

The Accessions Unit acquires the relevant scientific and technical literature (ca 10,000 serials and over 5,000 other publications annually) for abstracting by almost 100 scientists/linguists in the following 11 Bureaux:

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- Animal Breeding & Genetics
- Animal Health
- Dairy Science & Technology
- Nutrition
- Pastures & Field Crops
- Crop Protection
- Horticulture & Plantation Crops
- Plant Breeding & Genetics
- Soils
- Forestry

Further material is acquired and processed by collaborating or contracted organizations. Other staff coordinate work on specialized directories and databanks, and commission new books and primary journals. The Publications Unit is responsible for printing the journals and books, and the Marketing & Sales Division promotes and sells Information Services products and services worldwide (see inside back cover for details).

Scientific Services

CABI's Scientific Services consist of four institutes and two support services:

CAB International Institute of Entomology (CIE), Director Dr K.M. Harris, located at 56 Queen's Gate, London, and in the British Museum, Natural History.

CAB International Mycological Institute (CMI), Director Professor D.L. Hawksworth, located at Ferry Lane, Kew, London, adjacent to the Royal Botanic Gardens.

CAB International Institute of Parasitology (CIP), Director Dr R. Muller, located at Winches Farm, St Albans, the field station of the London School of Hygiene & Tropical Medicine.

These three Institutes provide an authoritative identification service for agricultural pests and other organisms, conduct research, implement projects, and provide training in their fields of expertise.

CAB International Institute of Biological Control (CIBC), Director Dr D.J. Greathead, has its headquarters at Silwood Park, Ascot, the field station of Imperial College of Science and Technology, University of London. It has stations in Trinidad and Tobago, Switzerland, Pakistan, Kenya and Malaysia. It provides biocontrol services, conducts training, and participates in integrated pest management programmes.

Development Services (CDS), Head Mr D. Heydon, integrate the broad range of CABI expertise to provide advice and assistance with agricultural problems, but particularly those related to pest management and information services.

Library Services, Manager Mr C.J. Hamilton, have their headquarters with CIBC at Silwood Park, where the main Library is held, with additional literature collections at CMI, CIP, CDS and CABIC. Library Services operate a Document Delivery Service.

Systems

The Systems Division provides computing resources and services to all parts of CABI. It maintains a central computing facility with telecommunications access to seven remote sites, including four CABI Institutes. CABIC is served by a modern Local Area Network which provides access to the computers, and by advanced office automation facilities. The main computers are DEC VAX systems and the principal software systems are BASIS for data management and information retrieval and PAGER for typesetting.

The staff of 20 includes database production personnel, systems analysts, programmers and computer operators. The principal systems are for the production of the CABI bibliographic database and associated functions, plus accessions control, subscription management and electronic publishing.

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